

**Practice**

For use with pages 269–274

**Tell whether the ratio is in simplest form. If not, write it in simplest form.  
Then, write the ratio in two other ways.**

1. 4 to 18

2. 4 : 6

3.  $\frac{7}{9}$

4.  $\frac{39}{13}$

5. 28 : 21

6. 17 to 44

7. 44 : 16

8. 63 to 18

9.  $\frac{48}{28}$

**Order the ratios from least to greatest.**

10. 7 : 2, 12 to 4,  $\frac{20}{6}$ , 21 to 14, 10 : 5

11.  $\frac{12}{16}$ , 7 to 10, 8 : 12, 9 to 15,  $\frac{4}{18}$

**Find the unit rate.**

12.  $\frac{72 \text{ people}}{3 \text{ buses}}$

13.  $\frac{20 \text{ ounces}}{2.5 \text{ servings}}$

14.  $\frac{288 \text{ mi}}{12 \text{ gal}}$

15.  $\frac{10.4 \text{ gal}}{4 \text{ min}}$

16.  $\frac{1125 \text{ calories}}{4.5 \text{ hours}}$

17.  $\frac{\$375}{15 \text{ shares}}$

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**Tell whether the ratios are equivalent.**

18.  $\frac{12}{9}$  and  $\frac{24}{18}$

19.  $14 : 4$  and  $21 : 8$

20. 8 to 21 and 48 to 126

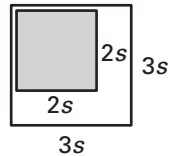
**Write the equivalent rate.**

21.  $\frac{8 \text{ calls}}{1 \text{ hour}} = \frac{? \text{ calls}}{1 \text{ day}}$

22.  $\frac{1400 \text{ students}}{40 \text{ teachers}} = \frac{? \text{ students}}{1 \text{ teacher}}$

23.  $\frac{12 \text{ km}}{1 \text{ h}} = \frac{? \text{ m}}{1 \text{ min}}$

24. Find the ratio of the area of the shaded square region to the area of the unshaded square region.



25. One box of cereal is 20 ounces and costs \$3. A smaller box of the same type of cereal is 12 ounces and costs \$2. Which box of cereal is the better buy? Explain.